

RF electrodeless lamp

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Abstract of CN1273433

An electrodeless RF lamp is composed of RF oscillation source and luminous bodies which may have different shapes. Said RF oscillation source is oscillated by using triode base electrode oscillator circuit via the oscillation channel composed of feedback winding in self-coupling output mutual inductor and grounded capacitor, and the high-frequency compensating and coupling circuit also participate to reduce interference and ensure output. Said luminous body consists of RF antenna, lamp holder for fixing the RF antenna and glass tube with coated fluorescent substance on its internal surface, mixed gas of Hg vapour and Ar contained in it and coated transparent shielding layer on its external surface. Its advantages are high efficiency, long service life, good spectrum, low cost and high brightness-adjustable performance.

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